

Amendments to the Claims

Please cancel Claims 12 and 18. Please amend Claims 1, 2, 6, 7, 11, 13, 14, 15, 17, 19, 21, and 22. The Claim Listing below will replace all prior versions of the claims in the application:

Claim Listing

1. (Currently Amended) A method for generating business e-mail address of a person for whom e-mail address information is missing comprising the steps of:
 - providing a database storing information regarding people, the database including for each person at least name of the person and the name of respective employer for which the person is currently employed; and
 - using digital processor means coupled to the database, automatically constructing and verifying potential ~~generating~~ e-mail address of a subject person named in the database but for whom e-mail address information is missing from the database, the e-mail address being with respect to a respective organization named in the database for the subject person.
2. (Currently Amended) A method as claimed in Claim 1 wherein the step of using digital processor means ~~and automatically generating e-mail address~~ includes:
 - obtaining a working e-mail address to the respective organization, the working e-mail address not being the e-mail address of the subject person;
 - deducing from the working e-mail address, format of e-mail addresses to the respective organization;
 - using the deduced information, constructing potential e-mail addresses for the subject person; and
 - verifying each constructed potential e-mail address by testing each, such that at least one verified constructed potential e-mail address provides a business e-mail address of the subject person.

3. (Original) A method as claimed in Claim 2 further comprising the step of using predefined common email address formats, constructing potential email addresses for the subject person.
4. (Original) A method as claimed in Claim 1 wherein the step of providing a database includes using crawler means, automatically extracting information regarding people and/or organizations from sites of a global computer network and storing the extracted information in the database, such that the database is formed by automated means.
5. (Original) A method as claimed in Claim 4 wherein the step of using crawler means includes employing a multiplicity of crawlers under control of a distributor.
6. (Currently Amended) A system for generating business e-mail address of a person for whom e-mail address information is missing comprising:
 - a database storing information regarding people, the database including for each person at least name of the person and the name of respective employer for which the person is currently employed; and
 - digital processor means coupled to the database for automatically constructing and verifying potential ~~generating an~~ e-mail address of a subject person named in the database but for whom e-mail address information is missing, the e-mail address being with respect to a respective organization named in the database for the subject person.
7. (Currently Amended) A system as claimed in Claim 6 wherein the digital processor means automatically constructs and verifies ~~generates~~ the e-mail address by:
 - obtaining a working e-mail address to the respective organization, the working e-mail address not being the e-mail address of the subject person;
 - deducing from the working e-mail address, format of e-mail addresses to the respective organization;
 - using the deduced information, constructing potential e-mail addresses for the subject person; and

verifying each constructed potential e-mail address by testing each, such that at least one verified constructed potential e-mail address provides a business e-mail address of the subject person.

8. (Original) A system as claims in Claim 7 wherein the digital processor means utilizes predefined common email address formats to further construct potential email addresses for the subject person.
9. (Original) A system as claimed in Claim 6 wherein the database is computer generated from crawler means automatically extracting information regarding people and/or organizations from sites of a global computer network and storing the extracted information in the database, such that the database is formed by automated means.
10. (Original) A system as claimed in Claim 9 wherein the crawler means includes plural crawlers under control of a distributor.
11. (Currently Amended) A computer automated system for mining from a global computer network information on people and organizations comprising:
 - a plurality of automated crawlers for traversing sites of a global computer network and retrieving pages that contain information of interest;
 - a distributor coupled to the crawlers for controlling crawler processing;
 - an extractor responsive to the crawler retrieved pages and extracting information about people and organizations therefrom; the extracted information being stored in a database, the database storing information about different people in different respective records;
 - an integrator coupled to the database for ~~resolving duplicate information and combining related information in the database~~ combining two records of potentially a same person if the person's name is the same in the two records and one of organization name and title is the same in the two records; and

a post-processor coupled to the database for analyzing ~~contents of the~~ connected pieces of information in the database and interpolating and generating missing information therefrom.

12. (Cancelled)
13. (Currently Amended) A system as claimed in Claim ~~12~~ 11 wherein the integrator further considers statistical rarity of title and person's name in determining whether to combine the two records.
14. (Currently Amended) A system as claimed in Claim 11 wherein the post-processor constructs and verifies ~~generates~~ an email address of a subject person named in the database, the email address being with respect to respective organization named in the database for the subject person.
15. (Currently Amended) A system as claimed in Claim 14 wherein the postprocessor ~~generates~~ constructs and verifies the email address for the subject person by:
 - obtaining a working e-mail address to the respective organization, the working e-mail address not being the e-mail address of the subject person;
 - deducing from the working e-mail address, format of e-mail addresses to the respective organization;
 - using the deduced information, constructing potential e-mail addresses for the subject person; and
 - verifying each constructed potential e-mail address by testing each, such that at least one verified constructed potential e-mail address provides a business e-mail address of the subject person.
16. (Original) A system as claims in Claim 15 wherein the post-processor further utilized predefined common email address formats to construct potential email addresses for the subject person.

17. (Currently Amended) A method for mining, from a global computer network, information on people and organizations, comprising the computer implemented steps of:
- using a plurality of crawlers, traversing sites of a global computer network and retrieving pages that contain information of interest;
 - controlling the crawlers with a distributor;
 - extracting from the retrieved pages information about people and/or organizations;
 - storing the extracted information in a database, the database storing information about different people in different respective records;
 - comparing the name of a person indicated in a first record with the name of a person indicated in a second record;
 - determining whether another two separate pieces of information between the first and second records are reasonably the same if the name comparing results in a match;
 - combining the first and second records when the determining step finds the other two separate pieces of information between the first and second records to be reasonably the same; and
 - ~~resolving duplicate information stored in the database; and~~
 - analyzing connected pieces of information in contents of the database and interpolating ~~generating~~ missing information therefrom for storage in the database.
18. (Cancelled)
19. (Currently Amended) A method as claimed in Claim 17 wherein~~[[:]]~~ the other two separate pieces of information are one of organization name and title.
- ~~the step of storing includes storing information about different people in different records of the database; and~~
 - ~~the step of resolving includes:~~
 - (a) ~~comparing name of a person indicated in one record with name of person indicated in a second record;~~

- ~~2. if the person name comparing results in a match, then determining whether one of organization name and title is the same in the one and second records, and~~
- ~~3. combining the one and second records when the determining of step (b) finds one of organization name and title to be the same in the one and second records.~~

20. (Original) A method as claimed in Claim 19 further comprising the step of considering statistical rarity of title and person's name.
21. (Currently Amended) A method as claimed in Claim 17 wherein the step of interpolating generating missing information includes constructing and verifying generating an email address of a subject person with respect to a respective organization named in the database for the subject person.
22. (Currently Amended) A method as claimed in Claim 21 wherein the step of constructing and verifying generating an email address includes:
 - obtaining a working e-mail address to the respective organization, the working e-mail address not being the e-mail address of the subject person;
 - deducing from the working e-mail address, format of e-mail addresses to the respective organization;
 - using the deduced information, constructing potential e-mail addresses for the subject person; and
 - verifying each constructed potential e-mail address by testing each, such that at least one verified constructed potential e-mail address provides a business e-mail address of the subject person.
23. (Original) A method as claimed in Claim 22, further comprising the step of using predefined common email address formats, constructing potential email addresses for the subject person.